

APPENDIX IV

LAND USE/LAND COVER	AREAS IN HUC-12 SUBWATERSHEDS (ACRES)				
	0202	0203*	0208	0401	0408
Deciduous Forest	85		4,041	11,307	1,337
Developed Open Space	88		288	1,503	161
Emergent Herbaceous Wetlands	6		141	248	55
Evergreen Forest	68		1,014	2,804	654
Grassland/Herbaceous	5		10	108	32
High Intensity Development				33	
Low Intensity Development	8		19	262	11
Medium Intensity Development	9		1	66	
Mixed Forest	42		802	2,686	319
Open Water	22		568	645	52
Pasture/Hay	564		110	4,628	491
Row Crops	367		129	2,629	343
Shrub/Scrub	281		1,333	4,151	1,093
Woody Wetlands	12		2,172	6,892	843
Total	1,558		10,629	37,961	5,391

Table A4-1a.

LAND USE/LAND COVER	AREAS IN HUC-12 SUBWATERSHEDS (ACRES)				
	0409	0501	0601	0602	0603
Bare Rock/Sand/Clay		33			
Deciduous Forest	11,704	2,168	14,556	7,717	12,089
Developed Open Space	1,550	389	2,667	1,556	1,703
Emergent Herbaceous Wetlands	37	158	93	435	540
Evergreen Forest	4,240	841	3,280	2,807	4,178
Grassland/Herbaceous	68	49	37	70	105
High Intensity Development			124	6	7
Low Intensity Development	45	79	904	209	168
Medium Intensity Development		3	384	144	70
Mixed Forest	3,086	525	3,573	1,723	2,544
Open Water	214	172	475	201	409
Pasture/Hay	1,296	3,096	2,648	6,802	4,231
Row Crops	1,585	1,376	4,934	5,140	4,909
Shrub/Scrub	5,009	1,347	6,182	4,228	5,429
Woody Wetlands	2,165	2,854	1,646	1,804	4,273
Total	30,999	13,090	41,503	32,841	40,656

Table A4-1b.

LAND USE/LAND COVER	AREAS IN HUC-12 SUBWATERSHEDS (ACRES)	
	0701	0702
Deciduous Forest	10,062	9,530
Developed Open Space	1,417	1,315
Emergent Herbaceous Wetlands	101	249
Evergreen Forest	2,373	3,308
Grassland/Herbaceous	56	61
Low Intensity Development	65	76
Medium Intensity Development	5	1
Mixed Forest	2,715	3,174
Open Water	58	206
Pasture/Hay	2,606	1,606
Row Crops	4,515	1,979
Shrub/Scrub	3,493	3,315
Woody Wetlands	1,635	2,348
Total	29,099	27,169

Table A4-1c.

Table A4-1a-c. Land Use Distribution in the Upper Hatchie River Watershed by HUC-12.

Data are from 1992 Multi-Resolution Land Characterization (MRLC) derived by applying a generalized Anderson Level II system to mosaics of Landsat thematic mapper images collected every five years. *, No data available.

HYDROLOGIC SOIL GROUPS
GROUP A SOILS have low runoff potential and high infiltration rates even when wet. They consist chiefly of sand and gravel and are well to excessively drained.
GROUP B SOILS have moderate infiltration rates when wet and consist chiefly of soils that are moderately deep to deep, moderately to well drained, and moderately coarse to coarse textures.
GROUP C SOILS have low infiltration rates when wet and consist chiefly of soils having a layer that impedes downward movement of water with moderately fine to fine texture.
GROUP D SOILS have high runoff potential, very low infiltration rates, and consist chiefly of clay soils.

Table A4-2. Hydrologic Soil Groups in Tennessee as Described in WCS. Soils are grouped into four hydrologic soil groups that describe a soil's permeability and, therefore, its susceptibility to runoff.

STATION	HUC 10	STREAM	AREA (MI ²)	DAILY FLOW			3Q2	1Q10	3Q10	7Q10	3Q20
				AVG	MAX	MIN					
07029400	0801020704	Hatchie River	837	1379	47600	36	na	na	na	54.6	na
07029380	0801020706	Cypress Creek	94.8	155.5	4810	5	na	na	na	6.93	na

Table A4-3. Stream Flow Data from USGS Gaging Stations in the Upper Hatchie River Watershed. Data are in cubic feet per second (CFS). Data were obtained from the USGS web application StreamStats at <http://water.usgs.gov/osw/streamstats>. (na, data not available)

AGENCY	STATION	LOCATION	HUC-12
TDECWPC	TUSCU008.4MC	Tuscumbia River @ RM 8.4	080102070208
TDECWPC	ECO65B04	Cypress Creek @ RM 5.5	080102070401
TDECWPC	HATCH169.0HR	Hatchie River @ RM 169.0	080102070401
TDECWPC	LEE001.7HR	Lee Creek @ RM 1.7	080102070401
TDECWPC	PRAIR001.8HR	Prairie Branch @ 1.8	080102070401
TDECWPC	SKIPP001.3HR	Skipper Creek @ RM 1.3	080102070401
TDECWPC	HATCH184.8MC	Hatchie River @ RM 184.8	080102070408
TDECWPC	HATCH184.9MC	Hatchie River @ RM 184.9	080102070408
TDECWPC	DRY002.0MC	Dry Branch @ RM 2.0	080102070409
TDECWPC	MOSSE001.8MC	Mosses Creek @ RM 1.8	080102070409
TDECWPC	MOSSE010.8MC	Mosses Creek @ RM 10.8	080102070409
TDECWPC	MOSSE013.3MC	Mosses Creek @ RM 13.3	080102070409
TDECWPC	NAIL000.5MC	Nail Creek @ RM 0.5	080102070409
TDECWPC	COLON001.8HR	Colonel Fork @ RM 1.8	080102070501
TDECWPC	MUDDY001.1HR	Muddy Creek @ RM 1.1	080102070501
TDECWPC	CYPRE014.0MC	Cypress Creek @ RM 14.0	080102070601
TDECWPC	CYPRE018.8MC	Cypress Creek @ RM 18.8	080102070601
TDECWPC	SANDY000.8MC	Sandy Creek @ RM 0.8	080102070601
TDECWPC	TURKE000.3MC	Turkey Creek @ RM 0.3	080102070601
TDECWPC	ECO65A01	Muddy Creek @ RM 0.68	080102070602
TDECWPC	LMUDD001.8MC	Little Muddy Creek @ RM 1.8	080102070602
TDECWPC	MUDDY002.0MC	Muddy Creek @ RM 2.0	080102070602
TDECWPC	MUDDY006.2MC	Muddy Creek @ RM 6.2	080102070602
TDECWPC	ROLAN002.0MC	Roland Creek @ RM 2.0	080102070602
TDECWPC	CANEY003.7MC	Caney Creek @ RM 3.7	080102070603
TDECWPC	CYPRE002.6MC	Cypress Creek @ RM 2.6	080102070603
TDECWPC	CYPRE006.9MC	Cypress Creek @ 6.9	080102070603
TDECWPC	LINDI009.0MC	Little Indian Creek @ RM 9.0	080102070603
TDECWPC	OXFOR003.1MC	Oxford Creek @ RM 3.1	080102070603
TDECWPC	KISE001.0MC	Kise Creek @ RM 1.0	080102070701
TDECWPC	KISE003.1MC	Kise Creek @ RM 3.1	080102070701
TDECWPC	LHATC010.8MC	Little Hatchie Creek @ RM 10.8	080102070701
TDECWPC	LHATC003.1HR	Little Hatchie @ RM 3.1	080102070702

Table A4-4. STORET Water Quality Monitoring Stations in the Upper Hatchie River Watershed. TDECWPC, Tennessee Department of Environment and Conservation Division of Water Pollution Control; UT, Unnamed Tributary.

FACILITY NUMBER	FACILITY NAME	SIC	SIC NAME	MADI	WATERBODY	HUC-12
TN0062308	Selmer STP	4952	Sewerage System	Major	Cypress Creek @ RM 14.5	080102070601
TN0077721	Bethel Springs STP	4952	Sewerage System	Minor	UT @ RM 0.2 to Cypress Creek @ RM 19.8	080102070601

Table A4-5. NPDES Permittees in the Upper Hatchie River Watershed. SIC, Standard Industrial Classification; MADI, Major Discharge Indicator; UT, Unnamed Tributary.

FACILITY NUMBER	PERMITEE	SIC	SIC NAME	WATERBODY	HUC-12
TN0066524	Moltan Company (Mine #3)	1459	Clay, Ceramic, and Refractory Minerals	Colonel Fork	080102070501
TN0072117	Moltan Compant (Mine #4)	1459	Clay, Ceramic, and Refractory Minerals	UT to Colonel Fork	080102070501

Table A4-6. Active Permitted Mining Sites in the Upper Hatchie River Watershed. SIC, Standard Industrial Classification; UT, Unnamed Tributary.

FACILITY NUMBER	FACILITY NAME	WATERBODY	HUC-12
TNG110183	River City Concrete, Inc.	WWC to Dyford Creek	080102070603

Table A4-7. Ready Mix Concrete Plants in the Upper Hatchie River Watershed. WWC, Wet Weather Conveyance.

LOG NUMBER	COUNTY	DESCRIPTION	WATERBODY	HUC-12
NRS03.136	McNairy	Replace Interceptor Sewer	Cypress Creek and Crooked Creek	080102070601
NRS02.116	McNairy	Bridge and Approach Repair	Cypress Creek Overflow	080102070603
NRS02.080	McNairy	Gas Pipeline	Rose Creek	080102070702

Table A4-8. Individual ARAP Permits Issued January 2000 Through June 2004 in Upper Hatchie River Watershed.

FACILITY NUMBER	FACILITY NAME	SECTOR	RECEIVING STREAM	AREA*	HUC-12
TNR053025	General Electric Company	AC	Cypress Creek	14.58	080102070601
TNR053097	United Parcel Service	P	Cypress Creek	1.37	080102070601
TNR053578	SMC recycling, Incorporated	N, P	Cypress Creek	14	080102070601
TNR054227	Midwest Woodworking	W	Cypress Creek	7.3	080102070601
TNR054571	Connector Castings, Inc.	AC	Cypress Creek	1	080102070601
TNR053676	Custom Woodwork, Inc.	A	UT to Cypress Creek	23.89	080102070602
TNR054402	Ramer Wood Products, Inc.	A	Muddy Creek	2.5	080102070602
TNR056177	J and B Auto Salvage	M	Little Muddy Creek	23.89	080102070602
TNR051925	Graham Lumber Company	A, P	Oxford Creek	32	080102070603

Table A4-9. Active Permitted TMSP Facilities in Upper Hatchie River Watershed. Area, acres of property associated with industrial activity; UT, Unnamed Tributary. Sector details may be found in Table A4-11.

SECTOR	TMSP SECTOR NAME
A	Timber Products Facilities
AA	Facilities That Manufacture Metal Products including Jewelry, Silverware and Plated Ware
AB	Facilities That Manufacture Transportation Equipment, Industrial or Commercial Machinery
AC	Facilities That Manufacture Electronic and Electrical Equipment and Components, Photographic and Optical Goods
AD	Facilities That Are Not Covered Under Sectors A Thru AC (Monitoring Required)
AE	Facilities That Are Not Covered Under Sectors A Thru AC (Monitoring Not Required)
B	Paper and Allied Products Manufacturing Facilities
C	Chemical and Allied Products Manufacturing Facilities
D	Asphalt Paving, Roofing Materials, and Lubricant Manufacturing Facilities
E	Glass, Clay, Cement, Concrete, and Gypsum Product Manufacturing Facilities
F	Primary Metals Facilities
G	Metal Mines (Ore Mining and Dressing) (RESERVED)
H	Inactive Coal Mines and Inactive Coal Mining-Related Facilities
I	Oil or Gas Extraction Facilities
J	Construction Sand and Gravel Mining and Processing and Dimension Stone Mining and Quarrying Facilities
K	Hazardous Waste Treatment Storage or Disposal Facilities
L	Landfills and Land Application Sites
M	Automobile Salvage Yards
N	Scrap Recycling and Waste and Recycling Facilities
O	Steam Electric Power Generating Facilities
P	Vehicle Maintenance or Equipment Cleaning areas at Motor Freight Transportation Facilities, Passenger Transportation Facilities, Petroleum Bulk Oil Stations and Terminals, the United States Postal Service, or Railroad Transportation Facilities
Q	Vehicle Maintenance Areas and Equipment Cleaning Areas of Water Transportation Facilities
R	Ship or Boat Building and Repair Yards
S	Vehicle Maintenance Areas, Equipment Cleaning Areas or From Airport Deicing Operations located at Air Transportation Facilities
T	Wastewater Treatment Works
U	Food and Kindred Products Facilities
V	Textile Mills, Apparel and other Fabric Product Manufacturing Facilities
W	Furniture and Fixture Manufacturing Facilities
X	Printing and Platemaking Facilities
Y	Rubber and Miscellaneous Plastic Product Manufacturing Facilities
Z	Leather Tanning and Finishing Facilities

Table A4-10. TMSP Sectors and Descriptions.